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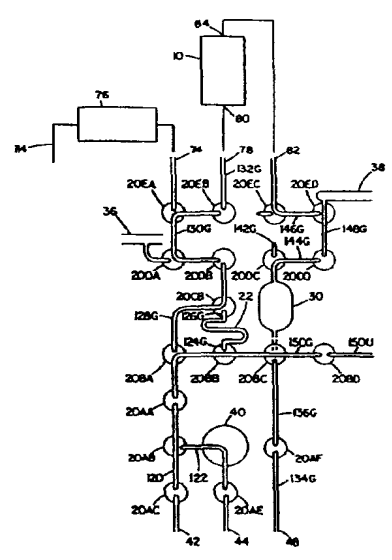
⑫ **EUROPEAN PATENT APPLICATION**

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⑳ Priority: 01.11.84 US 667299	㉑ Applicant: ALLIED CORPORATION, Columbia Road and Park Avenue P.O. Box 2245R (Law Dept.), Morristown New Jersey 07960 (US)
㉓ Date of publication of application: 07.05.86 Bulletin 86/19	㉒ Inventor: Webster, Milo E., c/o Instrumentation Lab. Inc. 113 Hartwell Avenue, Lexington, MA 02173 (US)
㉕ Designated Contracting States: DE FR GB IT SE	㉔ Representative: Brullé, Jean et al, Service Brevets Bendix 44, rue François 1er, F-75008 Paris (FR)

㉖ **Liquid handling system.**

㉗ A liquid handling system useful in apparatus for analyzing biological liquid specimens or the like includes a plurality of sample metering chambers, a distribution manifold connected between a sample inlet port and the sample metering chambers, and a corresponding plurality of auxiliary liquid metering chambers connected to corresponding auxiliary liquid reservoirs. Liquids are flowed from the sample inlet port through the distribution manifold to the sample metering chambers and from auxiliary liquid reservoirs to the auxiliary liquid metering chambers under the influence of reduced pressures which are selectively connected to the flow network through an integrated valve array and reduced pressure manifolds.



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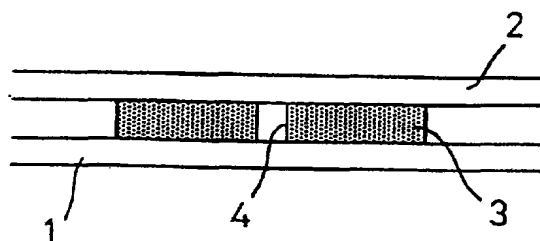
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<p>(51) International Patent Classification ⁵ : B01D 57/02, G01N 27/26 B01L 3/00</p>	<p>A1</p>	<p>(11) International Publication Number: WO 91/16966 (43) International Publication Date: 14 November 1991 (14.11.91)</p>
<p>(21) International Application Number: PCT/SE91/00327 (22) International Filing Date: 8 May 1991 (08.05.91) (30) Priority data: 9001699-9 10 May 1990 (10.05.90) SE (71) Applicant (for all designated States except US): PHARMACIA BIOSENSOR AB [SE/SE]; S-751 82 Uppsala (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): EKSTRÖM, Björn [SE/SE]; Järpvägen 27, S-752 52 Uppsala (SE). JACOBSON, Gunilla [SE/SE]; Spetsvägen 20, S-752 57 Uppsala (SE). ÖHMAN, Ove [SE/SE]; Björkgatan 43, S-752 24 Uppsala (SE). SJÖDIN, Håkan [SE/SE]; Lindsbergsgatan 3 B, S-752 40 Uppsala (SE).</p>		<p>(74) Agents: WIDÉN, Björn et al.; Kabi Pharmacia AB, S-751 82 Uppsala (SE). (81) Designated States: AT (European patent), BE (European patent), CH (European patent), DE (European patent), DK (European patent), ES (European patent), FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent), US. Published With international search report.</p>

(54) Title: MICROFLUIDIC STRUCTURE AND PROCESS FOR ITS MANUFACTURE



(57) Abstract

A microfluidic structure comprises first and second substantially planar form-stable base layers (1, 2), and an intermediate spacing layer (3) of elastic material, said spacing layer (3) being recessed to define a microcavity or channel system (4) with at least one of said first and second base layers. The structure is produced by moulding the spacing layer, optionally applied to or integral with a first base layer (2), against a planar mould, and the microcavity or channel system is completed by applying a second base layer (1), and optionally said first base layer (2), to the spacing layer (3).

For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and assign to Koninklijke Philips Electronics N.V. (hereinafter "Assignee") a corporation existing under the laws of Kingdom of the Netherlands, whose business address is Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors and assigns, the application for a United States Patent for the improvements in a **FLUID PARTITIONING IN MULTIPLE MICROCHANNELS** invented by me, which application:

- ☐ is executed concurrently herewith
☐ was executed by me/us on
☐ is Serial No. filed
☒ is International Application No. PCT/IB2004/050345 filed on 26 March 2004,

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28 October 2004
Date

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Menno Willem Jose PRINS

, Assignor